

FILE 'AGRICOLA, CAPLUS, BIOSIS, EMBASE, USPATFULL' ENTERED AT 13:38:15

ON

06 MAR 2001

L1 78 SEA (CECROPIN OR SARCOTOXIN) (P) (ANTIFUNGAL OR FUNGICID?)
L2 42 DUP REM L1 (36 DUPLICATES REMOVED)
D TI 1-42
D IBIB AB 33
D KWIC 42
D IBIB AB 41
D IBIB AB 40
D IBIB AB 35-37
D KWIC 35 37
D IBIB AB KWIC 35
D IBIB AB 27
L3 9 SEA ((CECROPIN OR SARCOTOXIN) (6A) (DNA# OR CDNA# OR GENE# OR
NUCLEIC)) (P) (ANTIFUNG? OR FUNGICID?)
L4 5 DUP REM L3 (4 DUPLICATES REMOVED)
D TI 1-5
D KWIC 5
D IBIB AB 5
D IBIB AB KWIC 5

FILE HOME

FILE AGRICOLA

FILE COVERS 1970 TO 12 Feb 2001 (20010212/ED)

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FILE COVERS 1967 - 6 Mar 2001 VOL 134 ISS 11
FILE LAST UPDATED: 5 Mar 2001 (20010305/ED)

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FILE BIOSIS

FILE COVERS 1969 TO DATE.

CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNS) PRESENT
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FILE EMBASE

FILE COVERS 1974 TO 1 Mar 2001 (20010301/ED)

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FILE USPATFULL

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 6 Mar 2001 (20010306/PD)

FILE LAST UPDATED: 6 Mar 2001 (20010306/ED)

HIGHEST PATENT NUMBER: US6199207

CA INDEXING IS CURRENT THROUGH 6 Mar 2001 (20010306/UPCA)

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 6 Mar 2001 (20010306/PD)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2000

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2000

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>>> USPTO/MOC subject headings and subheadings. Thesauri are also <<<
>>> available for the WIPO International Patent Classification <<<
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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d 12 ti 1-42

L2 ANSWER 1 OF 42 CAPLUS COPYRIGHT 2001 ACS DUPLICATE 1
TI Induced expression of sarcotoxin IA enhanced host resistance against both
bacterial and fungal pathogens in transgenic tobacco

L2 ANSWER 2 OF 42 CAPLUS COPYRIGHT 2001 ACS DUPLICATE 2
TI In vitro toxicity of natural and designed peptides to tree pathogens and

pollen

- L2 ANSWER 3 OF 42 CAPLUS COPYRIGHT 2001 ACS DUPLICATE 3
TI D-Cecropin B: proteolytic resistance, lethality for pathogenic fungi and binding properties
- L2 ANSWER 4 OF 42 CAPLUS COPYRIGHT 2001 ACS DUPLICATE 4
TI Design of novel antimicrobial peptides based on structure-antibiotic activity relationships of cecropin A, magainin 2 and melittin
- L2 ANSWER 5 OF 42 CAPLUS COPYRIGHT 2001 ACS
TI Fungicidal composition containing moricin
- L2 ANSWER 6 OF 42 CAPLUS COPYRIGHT 2001 ACS
TI Influences of hinge region of a synthetic antimicrobial peptide, cecropin A(1-13)-melittin(1-13) hybrid on antibiotic activity
- L2 ANSWER 7 OF 42 AGRICOLA DUPLICATE 5
TI Antifungal mechanism of a cysteine-rich antimicrobial peptide, Ib-AMPL, from *Impatiens balsamina* against *Candida albicans*.
- L2 ANSWER 8 OF 42 AGRICOLA DUPLICATE 6
TI *Drosophila* **cecropin** as an **antifungal** agent.
- L2 ANSWER 9 OF 42 BIOSIS COPYRIGHT 2001 BIOSIS
TI Induction and regulation of antimicrobial peptides in *Drosophila*.
- L2 ANSWER 10 OF 42 CAPLUS COPYRIGHT 2001 ACS DUPLICATE 7
TI Influence on the cell membrane of *Trichosporon beigelii* by **fungicidal** peptide derived from **cecropin** A(1-8)-magainin 2(1-12)
- L2 ANSWER 11 OF 42 CAPLUS COPYRIGHT 2001 ACS DUPLICATE 8
TI **Antifungal** mechanism of **antifungal** peptide derived from **cecropin** A(1-8)-melittin(1-12) hybrid against *Aspergillus fumigatus*
- L2 ANSWER 12 OF 42 BIOSIS COPYRIGHT 2001 BIOSIS
TI *Drosophila* antimicrobial peptides.
- L2 ANSWER 13 OF 42 CAPLUS COPYRIGHT 2001 ACS
TI Use of liposomes containing a chelating agent, a **fungicide** or a **cecropin** for improving mucosal vaccination
- L2 ANSWER 14 OF 42 USPATFULL
TI Antimicrobial composition of a polymer and a peptide forming amphiphilic helices of the magainin-type
- L2 ANSWER 15 OF 42 USPATFULL
TI Synthetic antimicrobial peptides
- L2 ANSWER 16 OF 42 AGRICOLA DUPLICATE 9
TI Identification of cecropin A proteolytic cleavage sites resulting from *Aspergillus flavus* extracellular protease(s).
- L2 ANSWER 17 OF 42 CAPLUS COPYRIGHT 2001 ACS DUPLICATE 10
TI Structure-**antifungal** activity relationships of **cecropin** A-magainin 2 and **cecropin** A-melittin hybrid peptides on pathogenic fungal cells.
- L2 ANSWER 18 OF 42 CAPLUS COPYRIGHT 2001 ACS DUPLICATE 11
TI Fungicidal properties, sterol binding, and proteolytic resistance of the synthetic peptide D4E1

L2 ANSWER 19 OF 42 BIOSIS COPYRIGHT 2001 BIOSIS
 TI **Fungicidal** and enzymatic resistance properties of a novel synthetic peptide, D-**cecropin** B.

L2 ANSWER 20 OF 42 CAPLUS COPYRIGHT 2001 ACS DUPLICATE 12
 TI **Fungicidal** and binding properties of the natural peptides **cecropin** B and dermaseptin

L2 ANSWER 21 OF 42 AGRICOLA DUPLICATE 13
 TI Cecropin A-derived peptides are potent inhibitors of fungal plant pathogens.

L2 ANSWER 22 OF 42 CAPLUS COPYRIGHT 2001 ACS DUPLICATE 14
 TI **Cecropin** A-melittin hybrid peptide exerts its **antifungal** effects by damaging on the plasma membranes of *Trichosporon beigeli*

L2 ANSWER 23 OF 42 CAPLUS COPYRIGHT 2001 ACS
 TI Expression of fungicidal protein genes from a pathogenesis-related gene promoter in transgenic plants resistant to phytopathogenic fungi

L2 ANSWER 24 OF 42 USPATFULL
 TI Synthetic antimicrobial peptides

L2 ANSWER 25 OF 42 AGRICOLA DUPLICATE 15
 TI Design of novel analogue peptides with potent **fungicidal** but low hemolytic activity based on the **cecropin** A-melittin hybrid structure.

L2 ANSWER 26 OF 42 CAPLUS COPYRIGHT 2001 ACS
 TI Design of novel analog peptides with potent **fungicidal** but low hemolytic activity based on the **cecropin** A-melittin hybrid structure

L2 ANSWER 27 OF 42 CAPLUS COPYRIGHT 2001 ACS DUPLICATE 16
 TI **Fungicidal** activity of **cecropin** A

L2 ANSWER 28 OF 42 CAPLUS COPYRIGHT 2001 ACS DUPLICATE 17
 TI Antifungal activities of magainin-2 hybrid peptides against *Trichosporon beigeli*

L2 ANSWER 29 OF 42 BIOSIS COPYRIGHT 2001 BIOSIS
 TI Broad spectrum antifungal activities of four peptides against forest tree pathogens.

L2 ANSWER 30 OF 42 CAPLUS COPYRIGHT 2001 ACS
 TI Structure-**antifungal** activity relationships of **cecropin** A hybrid peptides against *Trichoderma* sp.

L2 ANSWER 31 OF 42 CAPLUS COPYRIGHT 2001 ACS
 TI Antifungal effect of melittin-hybrid synthetic peptides for *Fusarium oxysporum*

L2 ANSWER 32 OF 42 CAPLUS COPYRIGHT 2001 ACS DUPLICATE 18
 TI Expression of antimicrobial peptide genes after infection by parasitoid wasps in *Drosophila*

L2 ANSWER 33 OF 42 BIOSIS COPYRIGHT 2001 BIOSIS
 TI **Antifungal** properties of the natural peptides **cecropin** B and dermaseptin.

L2 ANSWER 34 OF 42 BIOSIS COPYRIGHT 2001 BIOSIS
 TI Therapeutic and prophylactic measures for winter saprolegniosis in channel catfish.

L2 ANSWER 35 OF 42 USPATFULL
 TI Synthetic antifungal peptides

L2 ANSWER 36 OF 42 AGRICOLA DUPLICATE 19
 TI Synthetic antimicrobial peptide design.

L2 ANSWER 37 OF 42 BIOSIS COPYRIGHT 2001 BIOSIS
 TI Structure-activity studies on magainins and other host defense peptides.

L2 ANSWER 38 OF 42 USPATFULL
 TI Chitinase-producing bacteria and plants

L2 ANSWER 39 OF 42 USPATFULL
 TI Chitinase-producing bacteria and plants

L2 ANSWER 40 OF 42 CAPLUS COPYRIGHT 2001 ACS
 TI Function of antimicrobial proteins in insects

L2 ANSWER 41 OF 42 AGRICOLA DUPLICATE 20
 TI Purification, characterization, and cDNA cloning of an antifungal protein from the hemolymph of *Sarcophaga peregrina* (flesh fly) larvae.

L2 ANSWER 42 OF 42 CAPLUS COPYRIGHT 2001 ACS
 TI Method for introduction of disease and pest resistance into plants and novel genes incorporated into plants which code therefor

=> d 14 ti 1-5

L4 ANSWER 1 OF 5 AGRICOLA DUPLICATE 1
 TI Cecropin A-derived peptides are potent inhibitors of fungal plant pathogens.

L4 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2001 ACS
 TI Expression of fungicidal protein genes from a pathogenesis-related gene promoter in transgenic plants resistant to phytopathogenic fungi

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2001 ACS DUPLICATE 2
 TI Expression of antimicrobial peptide genes after infection by parasitoid wasps in *Drosophila*

L4 ANSWER 4 OF 5 USPATFULL
 TI Chitinase-producing bacteria and plants

L4 ANSWER 5 OF 5 USPATFULL
 TI Chitinase-producing bacteria and plants